

Name: \_\_\_\_\_

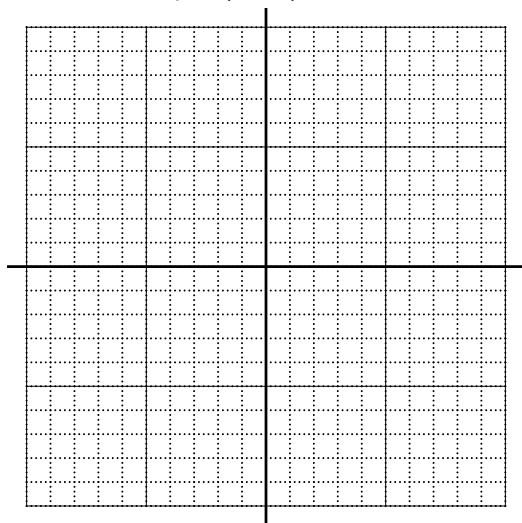
Date: \_\_\_\_\_

## PCW\_\_09\_\_29: Graph Parent Translations (version 10)

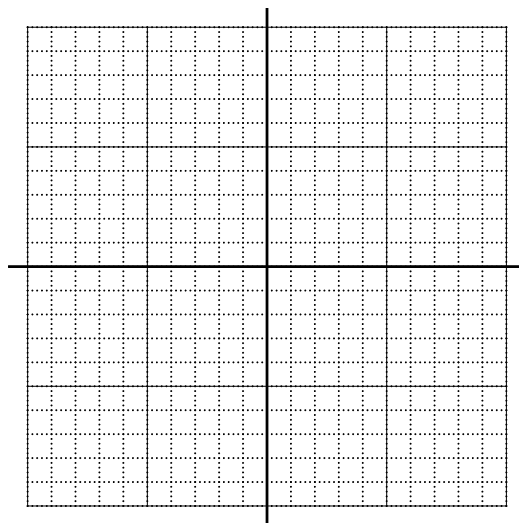
Graph each equation. Let the  $y$  axis be vertical and the  $x$  axis be horizontal. Also, let both axes be at unit scale, so each goes from  $-10$  to  $10$ .

Clearly mark every solution where  $x$  and  $y$  are both integers with a small dot along the curve.

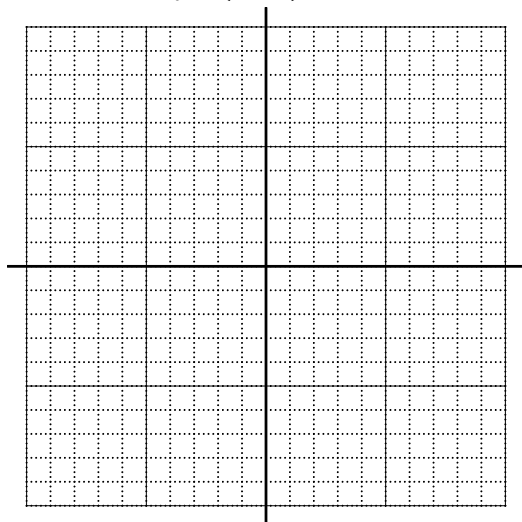
$$y = (x - 3)^3 - 4$$



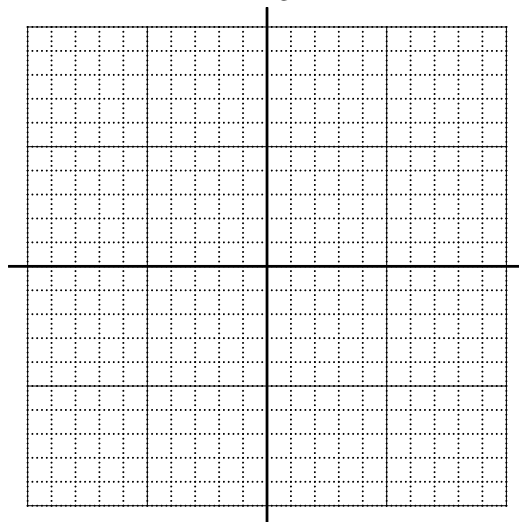
$$y = |x + 2| + 3$$



$$y = (x + 5)^2 + 3$$

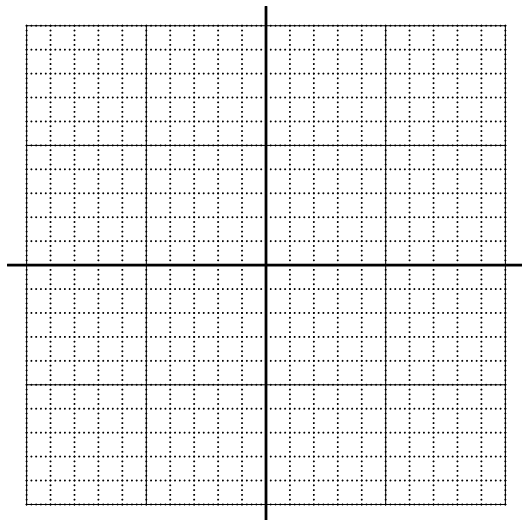


$$y = \frac{1}{x + 3} - 2$$

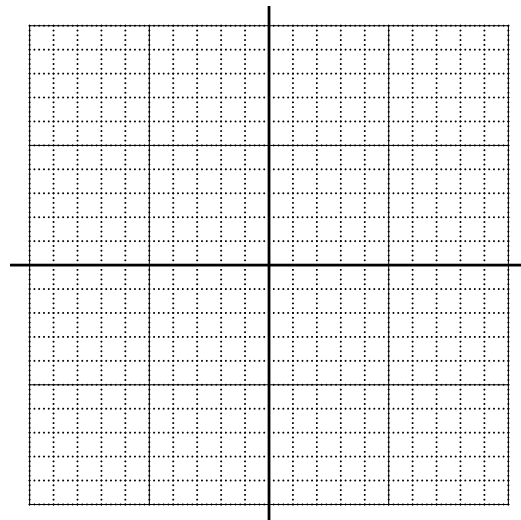


# PCW\_09\_29: Graph Parent Translations (version 10)

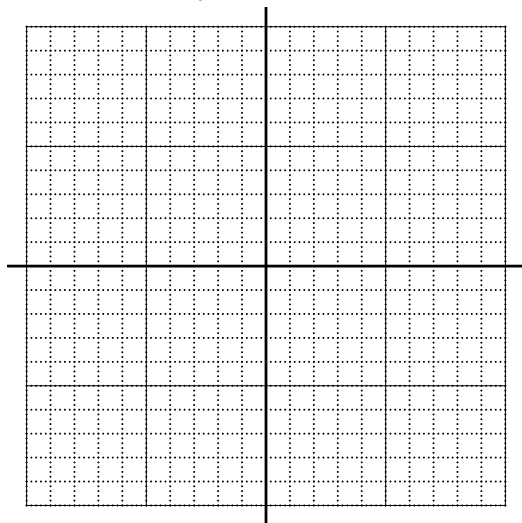
$$y = \log_2(x - 5) + 1$$



$$y = \sqrt[3]{x + 2} - 1$$



$$y = 2^{x-2} + 1$$



$$y = \sqrt{x - 2} + 5$$

